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MONTANA OIL AND GAS STATISTICAL BULLETIN

1974

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HELENA, MONTANA 59601

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1721 ELEVENTH AVENUE
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15 POLY DRIVE
BILLINGS, MONTANA 59101

JOHN HUGHES, GEOLOGIST
15 POLY DRIVE
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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXII, No. 9 **September, 1974**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1974, averaged 94,993 barrels daily, an increase of 2,037 barrels from the average 92,956 production in August.

The nine refineries in the state processed 133,989 barrels of crude oil daily for the month of September, 1974, a decrease of 8,450 barrels from the 142,439 barrels processed daily during the month of August.

During September, 50 wells were completed, 7 oil, 11 gas and 32 dry holes.

During September, the Board issued 105 permits to drill new wells, an increase of 32 from the 73 permits issued during August.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1974

IN STORAGE SEPTEMBER 1st	
By Producers	315,672
By Transporters	1,284,141
By Refiners	1,106,375
TOTAL STORAGE	2,706,188
Produced in Montana During Month	2,849,778
Imported During Month	3,219,374
TOTAL	8,775,340
DISPOSITION:	
Refined in Montana	4,019,683
Exported	2,134,012
Used for Fuel or Lost	12,003
TOTAL	6,165,698
IN STORAGE SEPTEMBER 30th	
By Producers	321,580
By Transporters	1,183,011
By Refiners	1,105,051
TOTAL STORAGE	2,609,642

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of September, 1974

Field	M. C. Ft.
NATURAL:	
Big Coulee	61,623
Black Coulee	15,049
Blackjack	32,068
Bowdoin	394,579
Bowes	72
Cedar Creek	117,320
Cut Bank (including Reagan)	119,981
Dry Creek	10,972
Ethridge	12,581
Flat Coulee	3,810
Gold Butte	91
Grandview	6,891
Hardin	3,499
Keith Block	8,994
Kevin Sunburst	7,138
Kicking Horse	7,575
Lake Basin	—0—
Liscom Creek	45,596
Middle Butte	873
Mt. Lilly	5,357
Plevna	5,914
South Devon	20,260
Shepard	380,986
Tiger Ridge	1,486,878
Trail Creek	—0—
Utopia	—0—
West Butte	13,361
Whitlash	7,903
ASSOCIATED:	
Bell Creek	53,202
Brush Lake	349
Cabin Creek	65,123
Elk Basin	43,264
Fairview	41,628
Fred & George Creek	2,354
Pine	49,043
Richland	40,014
Tule Creek	15,153
TOTAL	3,079,501

Total Withdrawals for September, 1973, were 3,767,089.

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PRODUCERS REPORT — MONTH OF SEPTEMBER, 1974

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	69	705		744		
1	Bainville	1	2,164	2,076		2,399		1,841
4	Bannatyne	4		614	614			
4	Bear's Den	5	1,723	714		795		1,642
18	Bell Creek	277	20,576	795,877	797,121			19,332
1	Benrud	1	429	936		839		526
3	Benrud East	3	1,640	10,097		9,429		2,308
1	Benrud Northeast	1	951	1,270		1,514		707
1	Berthelote	1	311	105				416
5	Big Wall	16	1,185	5,286	4,784			1,687
3	Blackfoot	4	558	1,049	1,119			488
2	Border	5	2,712	619		602		2,729
1	Bowes	52	4,970	10,103	10,324			4,749
1	Bradley	1	273	486	411			348
1	Brady	1		121		121		
4	Brorson-Madison	4	1,585	2,731		2,988		1,328
4	Brorson-Red River	4	6,500	4,571		4,100		6,971
3	Brorson-Red River South	3	985	7,226		6,007		2,204
6	Brush Lake	6	1,377	12,262	12,575			1,064
1	Burns Creek	1	552	1,177		1,189		540
2	Cabin Creek	86		182,829	182,829			
1	Canal	1	537	3,824		3,509		852
9	Cat Creek	38	2,099	10,638	9,938			2,799
1	Chelsea Creek	1	107	164				271
	Clark's Fork		69					69
1	Clark's Fork South	1	195	474		419		250
1	Cow Creek	1	240	74				314
4	Cow Creek East	5	916	13,356		13,854		418
1	Culbertson	1	235	426		208		453
7	Cupton	9	4,570	10,076	9,340	410		4,896
114	Cut Bank	843	49,090	249,738	210,996	36,830		51,002
	Dean Dome		65					65
1	Deer Creek	1	386	561	444			503
1	Delphia	1	88	354		361		81
1	Devil's Basin	1	709	222		188		743
2	Dwyer	10	4,614	10,613	10,097			5,130
3	Elk Basin	50	636	108,750	108,730			656
5	Elk Basin Northwest	11	2,540	2,660	3,521			1,679
4	Fairview	8	7,687	24,997	9,060	15,254		8,370
2	Fertile Prairie	2	672	704		794		582
5	Flat Coulee	21	2,609	10,760	10,716			2,653
35	Flat Lake	51	3,480	54,315	54,861			2,934
6	Flat Lake South	6	1,030	7,468	7,731			767
	Four Buttes		30					30
1	Ft. Gilbert	2	508	6,466	6,345			629
1	Frannie	1		660	660			
10	Fred & George Creek	30	3,035	49,566	49,562			3,039
1	Froid South	1	550	728		825		453
1	Gage	1	72	67				139
3	Gas City	16	5,252	17,331	12,183	5,130		5,270
1	Girard	1	1,067	1,333		1,148		1,252
11	Glendive	14	2,068	22,451	22,472			2,047
10	Goose Lake	27	3,744	24,014	24,120			3,638
14	Graben Coulee	34	8,946	15,282	11,730	2,387	1,256	8,855
2	Gypsy Basin	2		611		611		
1	Hay Creek-Mission Canyon	1	71	1,400	1,316			155
1	Hay Creek-Red River	1	494	3,717	3,800			411
4	Hiawatha	4	2,212	5,094	5,124			2,182
1	Hibbard	1	595	161		394		362
1	Howard Coulee	1	1,278	621				1,899
	Injun Creek		266					266
4	Ivanhoe	10	1,593	2,371	2,407			1,557
2	Jim Coulee	18	3,722	39,656	39,237			4,141
7	Keg Coulee	22	5,473	10,628	11,636		113	4,352
2	Keg Coulee North	2	675	1,736	1,801			610
1	Kelley	3	402	3,805	3,512			695
82	Kevin Sunburst	445	11,531	25,994	24,038	797	2	12,688
7	Laird Creek	9	784	1,896	1,240	896		544
1	Landslide Butte	2	1,793	409	1,634			568
3	Leary	3	1,878	1,987		1,913	31	1,921
1	Little Beaver	23		37,556	37,556			
2	Little Beaver East*	9	1,306	13,471	12,883			1,894
6	Little Wall Creek	7	2,481	27,108	27,169			2,420
1	Lodge Grass	1	236	3				239
1	Lone Butte	1	642	7,232		7,066		808
6	Lonetree Creek	6	4,467	17,719		18,086		4,100
3	Lookout Butte (Coral Creek)	29	471	54,114	53,783			802
2	Mason Lake	2	563	481	716			328
2	Melstone	4	610	1,777	1,719			668
1	Mineral Bench	1	688	62	576			174
2	Miners Coulee	2		688		688		
7	Monarch	13	1,917	11,138	9,097	2,170		1,788
2	Mosser	2		408		408		
2	Nohly	2	1,018	15,702		15,896		824
3	Otis Creek	3	1,364	2,655		1,949		2,070
2	Outlook	9	5,851	30,592	30,478			5,965
1	Outlook South	1	1,196	2,036	1,698			1,534
2	Outlook West	2	1,105	1,525	1,564			1,066
1	Pennel-Lookout Butte	109		202,249	202,249			
4	Pine	112	16,998	235,035	234,596			17,437
59	Pondera	254	4,568	23,565	23,416			4,717
1	Pondera Coulee	1		194	194			
6	Poplar	61	7,135	39,865	38,455			8,545
3	Poplar Northwest	3	1,029	1,448	1,271			1,206
	Prairie Elk		474					474
1	Pritchard Creek	5	167	1,065	1,065			167
1	Putnam	2	363	3,794		3,915		242
3	Rabbit Hills	3	1,520	5,456		5,472		1,504
9	Ragged Point	18	6,071	10,338	10,485			5,924
2	Rattlesnake Coulee	2	726	284		416		594
4	Raymond	4	3,321	36,435	36,160			3,596
3	Reagan	45	1,110	13,558	13,530			1,138
1	Red Creek	19		12,284	12,284			
1	Red Fox	1	301	530	652			179
1	Redstone	1	472	667	728			411
1	Repeat	1	240	1,132		1,072		300
4	Reserve	4	857	3,250	3,275			832
1	Richey	1	112	368	213			267
1	Richey Southwest	5	480	1,251		1,022		709
1	Riprap Coulee	1	542	1,648	1,839			351
1	Rosebud	1	203	6,151	5,537		155	662
1	Rush Mountain	1	263	2,184	1,973			474
2	Salt Lake	3	409	3,265		3,346		328
3	Sand Creek	4	727	1,596	1,605			718
2	Second Creek	2	1,156	8,208		8,604		760
3	Sioux Pass	4	2,159	29,664	28,490			3,333
1	Snyder	3	345	719		619		445
8	Soap Creek	21	1,824	3,212		3,480		1,556
1	Spring Lake	1	641	784				1,425
3	Stensvad	8	2,538	14,466	15,055			1,949
21	Sumatra	93	20,641	109,491	109,824		292	20,016
5	Tule Creek	5	2,886	17,320		17,186		3,020
2	Tule Creek East	2	896	2,929		2,772		1,053
2	Tule Creek South	2	1,644	998		1,656		986
2	Vida	2	442	905		699		648
5	Volt	6	2,630	10,709		10,596		2,743
1	Wagon Box	1	515	1,197		1,355		357
3	Weldon	3	759	3,928	3,526			1,161
1	West Butte	1		1,057		1,057		
19	Whitlash	44	8,543	9,835	10,572			7,806
	Whitlash West		284					284
2	Willow Creek North	2	444	841	1,022			263
2	Wills Creek South	2		2,193	2,193			
4	Winnett Junction	4	1,214	5,994		5,403		1,805
2	Wolf Springs	2	1,380	1,451		1,958		873
2	Woodrow	2	545	2,058	2,217			386
3	Wright Creek	5	2,472	928	782			2,618
	Wildcat, Blaine Co.		157					157
	Wildcat McCone Co.		87					87
	Wildcat, Toole Co.		294					294
700	TOTAL	3,185	315,672	2,849,778	2,608,475	233,546	1,849	321,580

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1974	34,620,182	94,850	34,617,999	94,844
1st Quarter, 1974	8,601,572	95,573	8,580,737	95,342
2nd Quarter, 1974	8,837,787	97,119	8,818,313	96,905
July, 1974	2,855,193	92,103	2,618,169	84,457
August, 1974	2,881,646	92,956	2,892,046	93,292
September, 1974	2,849,778	94,993	2,842,051	94,735

*Montana Oil Only

**Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF SEPTEMBER, 1974

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			744				744		
BAINVILLE—Koch Oil Company			2,399				2,399		
BEAR'S DEN—Truck			795				795		
BELL CREEK—Pipeline	38,650	797,877					483,679	312,561	40,287
BIG WALL—Continental Pipeline Co.		4,784				4,784			
BLACKFOOT—Phillips Petroleum Co.		1,119						1,119	
BORDER—Permian Corp.			602					602	
BOWES—Texaco		10,324				10,324			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Co.			13,095					13,095	
BRUSH LAKE—Portal Pipeline Co.		12,575					12,575		
BURNS CREEK—Western Crude Oil, Inc.			1,189				1,189		
CABIN CREEK & OTHERS[1]									
Butte Pipeline Co.	251,394	426,400	56,170	1,521,277			1,990,327		264,914
Shell Pipeline Co.	4,136	50,027			1,085			50,812	2,266
	255,530	476,427	56,170	1,521,277	1,085		1,990,327	50,812	267,180
CANAL—Koch Oil Co.			3,509				3,509		
CAT CREEK—Continental Pipeline Co.		9,938				9,938			
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			419				419		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			13,854				13,854		
CUT BANK—									
Continental Pipeline Co.		654,693	5,556					660,249	
Phillips Petroleum Co.	44,277	91,373		73,301	98	161,778			47,075
Texas Pipeline Co.	15,909	33,032		78,168	237	113,672			13,200
Union Oil Co.	50,038	40,552			1,021	53,375			36,194
Western Oil Trans. Co.		29,314				29,314			
Western Oil Trans. Co. (Moulton)		118,489				118,489			
	110,224	967,453	5,556	151,469	1,356	476,628		660,249	96,469
DELPHIA—Truck			361			361			
DWYER—Portal Pipeline Co.		10,097					10,097		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		110,895				110,895			
FAIRVIEW—									
Fairview Pipeline Co.		9,060					9,060		
Koch Oil Co.			15,254				15,254		
		9,060	15,254				24,314		
FLAT COULEE—Phillips Petroleum Co.		10,716				10,716			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		58,016					58,016		
FT. GILBERT—Fairview Pipeline Co.		6,345					6,345		
FRANNIE—Interstate Pipeline Co.		660					660		
FRED AND GEORGE CREEK—Phillips Petroleum Co.	14,185	48,777			364	49,562			13,036
GIRARD—Koch Oil Co.			1,148				1,148		
GLENDIVE, DEER CREEK, WOOD-ROW AND SAND CREEK—Texas Pipeline Co.	7,933	20,103			186			16,496	11,354
GOOSE LAKE—Portal Pipeline Co.		21,987					21,987		
HAY CREEK—Fairview Pipeline Co.		5,116					5,116		
HIAWATHA—Continental Pipeline Co.		5,124					5,124		
IVANHOE—Continental Pipeline Co.		2,407				2,407			
JIM COULEE—Continental Pipeline Co.		39,237						39,237	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		13,437				13,437			
KELLEY—Continental Pipeline Co.		3,315				3,315			
KEVIN SUNBURST—									
Big West Oil Co.	2,615	15,660				13,201			5,074
Homestake Oil & Gas Co.	1,047	2,239				2,072			1,214
Texas Pipeline Co.	14,223	7,467		2,107	241	7,799			15,757
Northern Montana Oil Service	21	32,366				31,968			419
	17,906	57,732		2,107	241	55,040			22,464
LEARY—Permian Corp.			1,913				1,913		
LONE TREE CREEK—Koch Oil Co.			18,086					18,086	
MASON LAKE—Continental Pipeline Co.		716				716			
MELSTONE—Continental Pipeline Co.		1,719				1,335	384		
MIDDLE WALL—Continental Pipeline Co.[2]		31,877						31,877	
MOSSER—Permian Corp.			408				408		
NOHLY—Koch Oil Co.			15,896				15,896		
OTIS CREEK—Western Crude Oil, Inc.			1,949				1,949		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		33,740						33,740	
PONDERA—Phillips Petroleum Co.	25,720	25,152			17	28,426			22,429
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	3,852	44,978			(25)			40,282[3]	8,573
PUTNAM—Western Crude Oil, Inc.			3,915				3,915		
RABBIT HILLS—Koch Oil Co.			5,472				5,472		
RAGGED POINT—Continental Pipeline Co.		10,485				10,485			
RAYMOND—Portal Pipeline Co.		36,160					36,160		
RED CREEK—Western Oil Transportation Co.		19,038						19,038	
RESERVE—Portal Pipeline Co.		3,247					3,247		
RIPRAP COULEE—Portal Pipeline Co.		1,839						1,839	
ROSEBUD—Continental Pipeline Co.						5,537			
RUSH MOUNTAIN—Sinclair Ref. Co.		1,973					1,973		
SALT LAKE—Koch Oil Co.			3,346				3,346		
SECOND CREEK—Koch Oil Co.			8,604				8,604		
SNYDER—Permian Corp.			619			619			
SOAP CREEK—Permian Corp.			3,480				3,480		
SUMATRA AND STENSVAD—Continental Pipeline Co.	805,443	119,293		2,123,555	2,189	113,526		2,234,881	697,695
TULE CREEK, BENRUD, VOLT & OTHERS[4]—Tesoro Petroleum,	4,698		45,218	3,018		49,410			3,524
Permian Corp.			829			829			
	4,698		46,047	3,018		50,239			3,524
WAGON BOX—Truck			1,355				1,355		
WHITLASH AND WHITLASH WEST—Phillips Petroleum Co.		10,570				10,570			
WINNETT JCT.—Truck			5,403			5,403			
WOLF SPRINGS—Permian Corp.			1,958			1,958			
TOTAL	1,284,141	3,049,845	233,546	3,801,426	5,413	976,221	2,730,399	3,473,914	1,183,011

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Weldon and Wills Creek South, Vida.
[2]Little Wall Creek and Willow Creek North.
[3]Transferred to Butte Pipeline Co.
[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1974

	Big West Oil Co.	Continental Oil Co.	Exxon Co.	Farmers Union	Phillips Petroleum Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall	.....	4,784	.....	.....	.....	.....	.....	4,784
Cat Creek	.....	1,529	.....	8,409	.....	.....	.....	9,938
Cut Bank	25,549	.....	.....	.....	157,003	.....	129,001	311,553
Elk Basin	.....	44,481	33,811	32,603	.....	.....	.....	110,895
Flat Coulee	.....	.....	.....	.....	.....	.....	10,716	10,716
Fred and George Creek	49,562	.....	.....	.....	.....	.....	.....	49,562
Ivanhoe	.....	2,407	.....	.....	.....	.....	.....	2,407
Keg Coulee	.....	8,666	2,581	2,190	.....	.....	.....	13,437
Kelley	.....	.....	3,315	.....	.....	.....	.....	3,315
Kevin Sunburst	55,040	.....	.....	.....	.....	.....	.....	55,040
Mason Lake	.....	716	.....	.....	.....	.....	.....	716
Melstone	.....	.....	.....	1,335	.....	.....	.....	1,335
Pondera	.....	.....	.....	.....	21,729	.....	.....	21,729
Ragged Point	.....	10,485	.....	.....	.....	.....	.....	10,485
Rosebud	.....	5,537	.....	.....	.....	.....	.....	5,537
Richey, Southwest	.....	.....	.....	.....	.....	1,719	.....	1,719
Snyder	.....	619	.....	.....	.....	.....	.....	619
Sumatra and Stensvad	.....	31,912	24,541	66,940	.....	.....	.....	123,393
Tule Creek and Others	.....	.....	.....	.....	.....	30,089	.....	30,089
Whitlash	.....	.....	.....	.....	8,962	.....	.....	8,962
Winnett Junction	.....	.....	.....	5,403	.....	.....	.....	5,403
Wolf Springs	.....	.....	1,958	.....	.....	.....	.....	1,958
Volt	.....	.....	.....	.....	.....	16,717	.....	16,717
TOTAL Montana Oil	130,151	111,136	66,206	116,880	187,694	48,525	139,717	800,309
Canadian Oil Imported	.....	646,106	439,041	427,818	.....	3,018	.....	1,515,983
Wyoming Oil Imported	.....	654,489	827,702	221,200	.....	.....	.....	1,703,391
TOTAL Montana, Canadian and Wyoming Oil	130,151	1,411,731	1,332,949	765,898	187,694	51,543	139,717	4,019,683

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1974	26,563	43,474	69,599	139,636
September, 1973	25,368	42,248	76,348	143,964
September, 1974	26,677	50,533	56,779	133,989

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1974	19.02%	31.13%	49.85%
September, 1973	17.62%	29.35%	53.03%
September, 1974	19.91%	37.71%	42.38%

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1973	313,272	1,326,148	1,014,438	2,653,858
March, 1974	330,336	1,397,963	1,001,634	2,729,933
June, 1974	347,688	1,287,735	1,350,781	2,986,204
July, 1974	326,713	1,201,052	1,212,761	2,740,526
August, 1974	315,672	1,284,141	1,106,375	2,706,188
September, 1974	321,580	1,183,011	1,105,051	2,609,642